

MOS VOLTAGE ELEVATOR OF THE CHARGE PUMP TYPE

ABSTRACT OF THE DISCLOSURE

513293

A charge pump MOS voltage booster has reduced voltage drops and ripple. This voltage booster is advantageously used in two applications. The voltage booster has four MOS transistors instead of diodes in a classical voltage booster, which exhibit an undesired voltage drop. The voltage booster also has an oscillator with two outputs and two corresponding charge transfer capacitors. In this manner, the undesired voltage drops and ripple are reduced without complicating the circuitry structure.

1